

# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
 ONE CAPITOL HILL  
 PROVIDENCE RI 02908

CREATION DATE : 06-FEB-13  
 BID NUMBER: 7460229  
 TITLE: FURNISH/INSTALL ACOUSTICAL ELECTRONIC  
 OPERABLE PARTITION WALLS  
 BLANKET START : 15-MAR-13  
 BLANKET END : 30-JUN-13  
 BID CLOSING DATE AND TIME: 12-MAR-2013 10:00:00

BUYER: Mosca, Gary  
 PHONE #: 401-574-8124

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 CCRI CONTROLLER'S OFFICE  
 ACCOUNTS PAYABLE  
 400 EAST AVENUE  
 WARWICK, RI 02886  
 US

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 CCRI FLANAGAN CAMPUS  
 1762 LOUISQUISSET PIKE  
 LINCOLN, RI 02865-4585  
 US

Requisition Number: 1303909

Note to Bidders: Questions concerning this solicitation may be emailed to [gary.mosca@purchasing.ri.gov](mailto:gary.mosca@purchasing.ri.gov) no later than 2/28/13 @ 8:00 AM (EST). Questions should be submitted in a Microsoft word attachment. Please reference the RFQ # on all correspondence. Questions received if any, will be posted on the internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information

Line	Description	Quantity	Unit	Unit Price	Total
1	FURNISH/INSTALL ACCOUSTICAL ELECTRONIC OPERABLE PARTITION WALLS AT THE LINCOLN CAMPUS IN (5) FIVE CLASSROOMS THERE WILL BE A NON-MANDATORY PRE-BID CONFERENCE HELD TUESDAY FEBRUARY 26TH, 2013 @ 9:00 AM (EST).  LOCATION: COMMUNITY COLLEGE OF RHODE ISLAND 1762 LOUISQUISSET PIKE LINCOLN, RI 02865 PLEASE REPOT TO PHYSICAL PLANT DIRECTORS OFFICE.	1.00	Job		

Delivery: \_\_\_\_\_

Terms of Payment: \_\_\_\_\_

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

BID STANDARD TERMS AND CONDITIONS

**TERMS AND CONDITIONS FOR THIS BID**

**SURETY REQUIREMENTS**

BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND, IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD.

**START DATE**

STARTING DATE \_\_\_\_\_ NO. OF WORKING DAYS REQUIRED FOR COMPLETION \_\_\_\_\_

**WAGE REQUIREMENTS**

BIDDERS ARE ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS. THE PREVAILING WAGE TABLE MAY BE OBTAINED AT THE RI DIVISION OF PURCHASES HOME PAGE BY INTERNET at [www.purchasing.state.ri.us](http://www.purchasing.state.ri.us). SELECT "INFORMATION" AND THEN SELECT "PREVAILING WAGE TABLE". THE STATE OF RHODE ISLAND USES THE GENERAL DECISION NUMBER RI20100001. PRINTING THE ENTIRE DOCUMENT AVERAGES APPROXIMATELY ONE MINUTE PER PAGE - YOU MAY WANT TO PRINT ONLY THE PAGES APPLICABLE TO YOUR BID. BIDDERS NOTE: IN THE EVENT THIS BID SPECIFIES PRICE OFFERS ON A TIME-AND-MATERIALS BASIS, i.e., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR THE WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.

**INSPECTION REQUIREMENTS**

BIDDERS ARE RESPONSIBLE FOR INSPECTION OF EQUIPMENT AND/OR LOCATION, TAKING MEASUREMENTS\* WHEN REQUIRED, AND MAKING THEMSELVES AWARE OF THE TOTAL REQUIREMENT BEFORE SUBMITTING A BID. \*MEASUREMENTS PROVIDED WITH ANY BID ARE FOR REFERENCE PURPOSES AND ARE NOT GUARANTEED TO BE COMPLETELY ACCURATE.

TERMS CONTINUED:

**INSURANCE REQUIREMENTS**

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: \* PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. \* BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. \* SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. \* ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. \* VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

**RIVIP INFO - BID SUBMISSION REQUIREMENTS**

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

**AWARD**

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

TERMS CONTINUED:

**LICENSE REQUIREMENTS**

VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS, BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.

**SUBSTITUTION TERMS**

A) THE MATERIALS, PRODUCTS, AND EQUIPMENT DESCRIBED IN THE BIDDING DOCUMENTS ESTABLISH A STANDARD OF REQUIRED FUNCTION, DIMENSION, APPEARANCE, AND QUALITY TO BE MET BY ANY PROPOSED SUBSTITUTION. B) NO SUBSTITUTION WILL BE CONSIDERED PRIOR TO RECEIPT OF BIDS UNLESS WRITTEN REQUEST FOR APPROVAL HAS BEEN RECEIVED BY THE DIVISION OF PURCHASES NO LATER THAN TUESDAY FEBRUARY 19<sup>TH</sup> AT 9:00 AM (EST). SUCH REQUESTS SHALL INCLUDE THE NAME OF THE MATERIAL OR EQUIPMENT FOR WHICH IT IS TO BE SUBSTITUTED AND A COMPLETE DESCRIPTION OF THE PROPOSED SUBSTITUTION INCLUDING DRAWINGS, PERFORMANCE, AND TEST DATA AND OTHER INFORMATION NECESSARY FOR AN EVALUATION. A STATEMENT SETTING FORTH CHANGES IN OTHER MATERIALS, EQUIPMENT, OR OTHER PORTIONS OF THE WORK, INCLUDING CHANGES IN THE WORK OF OTHER CONTRACTS THAT INCORPORATION OF THE PROPOSED SUBSTITUTION WOULD REQUIRE, SHALL BE INCLUDED. THE BURDEN OF PROOF OF THE MERIT OF THE PROPOSED SUBSTITUTION IS UPON THE PROPOSER. THE STATE OF RHODE ISLAND'S DECISION OF APPROVAL OR DISAPPROVAL OF A PROPOSED SUBSTITUTION SHALL BE FINAL. C) IF THE STATE APPROVES A PROPOSED SUBSTITUTION PRIOR TO RECEIPT OF BIDS, SUCH APPROVAL WILL BE SET FORTH IN AN ADDENDUM. BIDDERS SHALL NOT RELY UPON APPROVALS MADE IN ANY OTHER MANNER. D) NO SUBSTITUTIONS WILL BE CONSIDERED AFTER THE CONTRACT AWARD UNLESS SPECIFICALLY PROVIDED FOR IN THE CONTRACT DOCUMENTS.

**DELIVERY PER AGENCY**

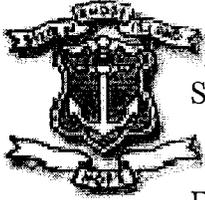
DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

TERMS CONTINUED:

**FISCAL YEAR - AWARD EXTENDING PAST FISCAL YR END**

AWARDS EXTENDING BEYOND JUNE 30TH ARE SUBJECT TO AVAILABILITY OF FUNDS. CONTINUATION OF THE CONTRACT BEYOND THE INITIAL FISCAL YEAR WILL BE AT THE DISCRETION OF THE STATE. TERMINATION MAY BE EFFECTED BY THE STATE BASED UPON DETERMINING FACTORS SUCH AS UNSATISFACTORY PERFORMANCE OR THE DETERMINATION BY THE STATE TO DISCONTINUE THE GOODS/SERVICES, OR TO REVISE THE SCOPE AND NEED FOR THE TYPE OF GOODS/SERVICES; ALSO MANAGEMENT OWNER DETERMINATIONS THAT MAY PRECLUDE THE NEED FOR GOODS/SERVICES.

END DOCUMENT



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration  
DIVISION OF PURCHASES  
One Capitol Hill  
Providence, RI 02908-5855

Tel: (401) 574-8100  
Fax: (401) 574-8387  
Website:  
[www.purchasing.ri.gov](http://www.purchasing.ri.gov)

**SPECIFICATIONS: BID #7460229**

FURNISH/INSTALL ACOUSTICAL ELECTRONIC OPERABLE PARTITION WALLS AT THE LINCOLN CAMPUS IN (5) FIVE CLASSROOMS AS PER ATTACHED DRAWING AND AS FOLLOWS: .

LINCOLN CAMPUS FIRST FLOOR: BETWEEN ROOMS: 1426/1428 AND 1124/1126

LINCOLN SECOND FLOOR: BETWEEN ROOMS: 2822/2844, 1826/1828 AND 1522/1524.

VENDOR TO SUPPLY ALL LABOR, MATERIAL AND EQUIPMENT NEEDED TO REPLACE AND UPGRADE WALL SYSTEMS AS PER ATTACHED SPECIFICATIONS AND TO INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: .

1. REMOVE AND DISPOSE OF EXISTING MOVABLE WALLS.
2. PREPARE AREAS TO RECEIVE NEW WALLS TO INCLUDE ANY AND ALL DEMOLITION, CONSTRUCTION OR ELECTRICAL WORK REQUIRED FOR A COMPLETE AND TURN KEY INSTALLATION.
3. INSTALL TEN (10) MODERNFOLD ACOUSTI-SEAL 933E CONTINUOUSLY HINGED ELECTRIC OPERABLE WALLS 14'-6" WIDE X 8'-6" HIGH WITH 5 PANELS PER WALL OR EQUIVALENT. (SEE ATTACHED SPECIFICATION) ADDITIONAL REQUIREMENTS:

A. PROJECT COMPLETION: 90 DAYS FROM ISSUANCE OF PURCHASE ORDER. .

B. WORK HOURS: PROJECT IS TO BE COMPLETED DURING NORMAL OPERATING BUSINESS HOURS 7 AM - 3:30 PM MON-FRI.

VENDOR MUST SCHEDULE WORK FOR NON OPERATING HOURS IN ADVANCE WITH PHYSICAL PLANT DEPARTMENT. .

C. VENDOR IS RESPONSIBLE FOR ALL LABOR INCLUDING BUT NOT LIMITED TO ELECTRICAL AND OR GENERAL CONSTRUCTION AS REQUIRED BY THE SCOPE OF WORK. .

D. VENDOR RESPONSIBLE FOR ANY REQUIRED LOCAL AND STATE PERMITS. .

E. AT ALL TIMES DURING AND AT COMPLETION OF PROJECT, CONSTRUCTION AREAS ARE TO BE KEPT IN A CLEAN, SAFE AND ACCEPTABLE CONDITION. .

F. VENDOR RESPONSIBLE FOR REMOVING ALL PROJECT DEBRIS OFF-SITE DAILY.

G. DURING PROJECT WORK, COMPLETE ACCESS TO EXIT DOORWAYS AND ENTRANCES MUST BE MAINTAINED.

ANY TEMPORARY CLOSING OF ENTRANCES OR EXITS DUE TO PROJECT WORK MUST BE APPROVED IN ADVANCE BY CCRI PHYSICAL PLANT DEPARTMENT. .

H. VENDOR RESPONSIBLE FOR ALL SAFETY SIGNAGE BOTH OUTSIDE AND INSIDE THE BUILDING AS REQUIRED TO ENSURE THE SAFETY OF CCRI STUDENTS, EMPLOYEES AND VISITORS TO THE CAMPUS. .

I. ALL COMPLETED WORK MUST BE INSPECTED AND APPROVED BY THE ASSOCIATE DIRECTOR OF THE PHYSICAL PLANT OR HIS DESIGNEE.

## **NOTICE TO VENDORS:**

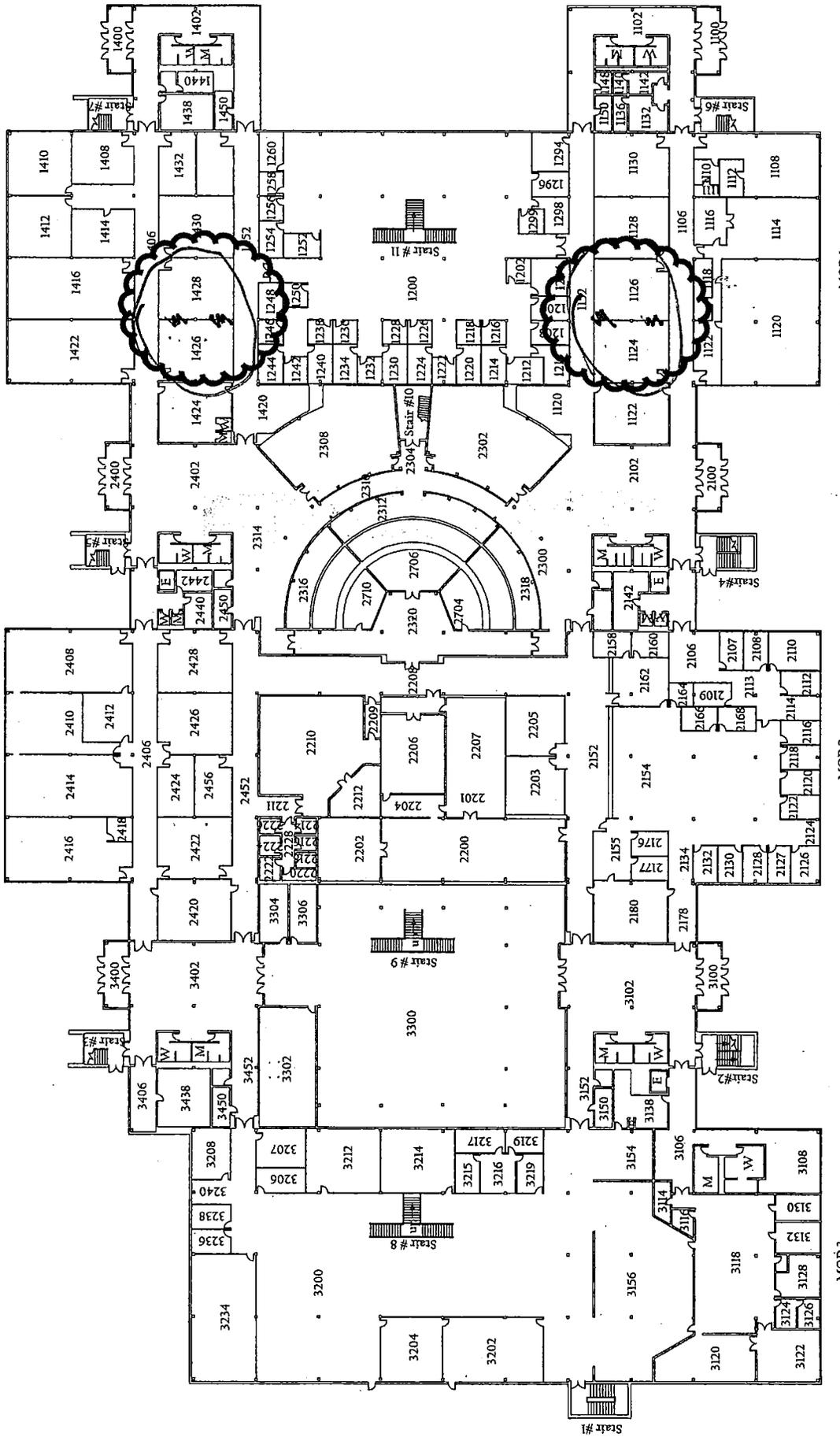
**ALL BIDDERS ARE RESPONSIBLE FOR TAKING MEASUREMENTS TO ENSURE PROPER CALCULATIONS. PLEASE CHECK YOUR CALCULATIONS BEFORE SUBMITTING YOUR BID; THE COMMUNITY COLLEGE OF RHODE ISLAND WILL NOT BE RESPONSIBLE FOR BIDDERS MISCALCULATIONS.**

**“Any person submitting a bid proposal for the above referenced Furnish/Install Acoustical Electronic Operable Partition Walls solicitation MUST hold or subcontract with a firm that MUST hold a current Rhode Island Certificate “A “ Electrical License issued by the Rhode Island Department of Training.”**

**Please provide your license number and a copy of the required license along with your bid proposal.**

**COMPANY NAME:** \_\_\_\_\_

**LICENSE NUMBER:** \_\_\_\_\_



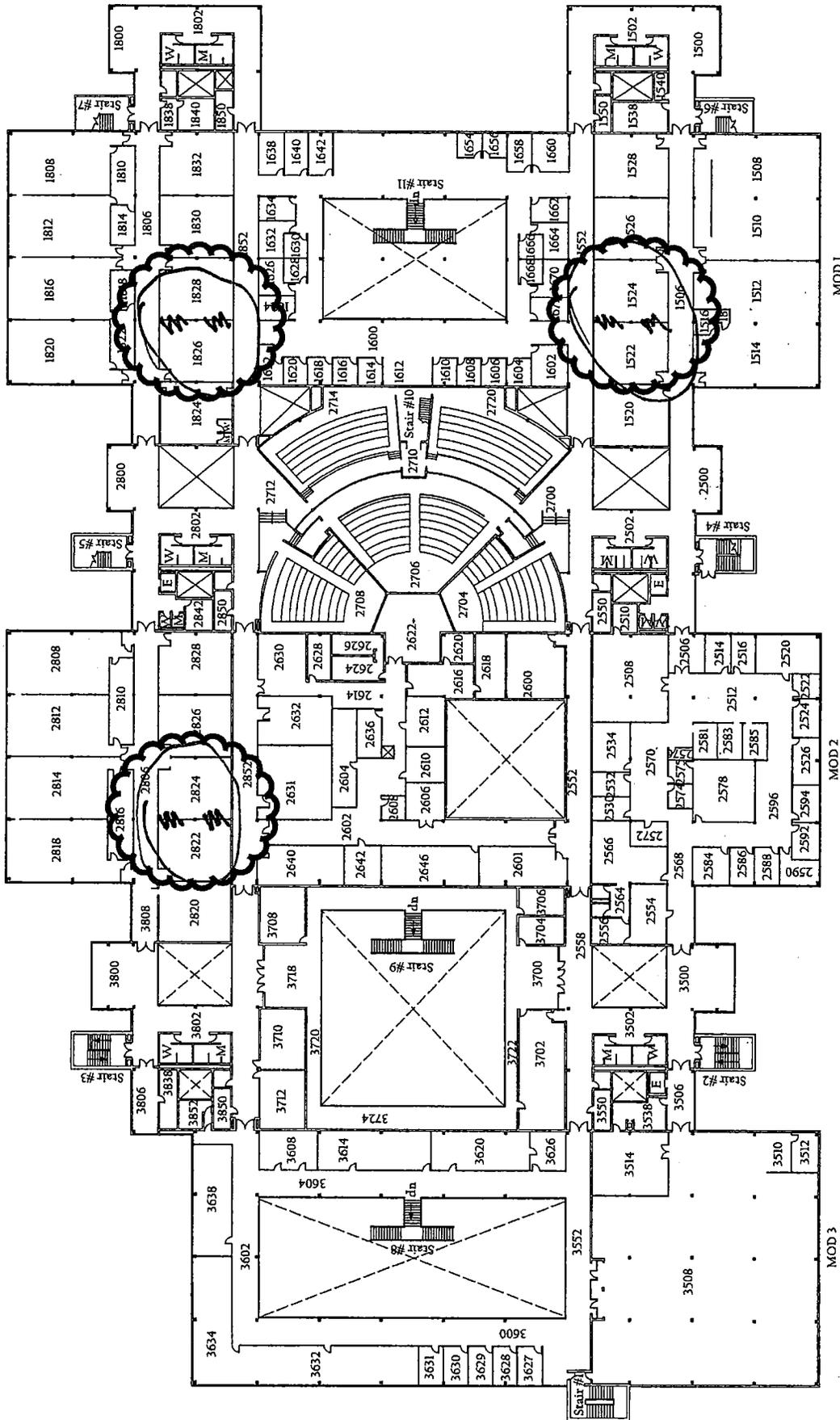
MOD 1

MOD 2

MOD 3

# Flanagan Campus First Floor

BI-FOLD DOOR LOCATIONS



MOD 1

MOD 2

MOD 3

# Flanagan Campus Second Floor

## BI-FOLD DOOR LOCATIONS

## ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA

- Continuously Hinged Electric Partitions Provide Effortless Operation
- Extends and Stacks with the Activation of Push Button Switches
- Integrated Safety with Key-Activated Two-Button Operation
- Two Year Warranty on Partition System
- Lifetime Warranty on Standard Hinges
- Operable Bottom Floor Seal Sets Automatically when Partition is Fully Extended
- Used in Hotel Ballrooms, Civic/Convention Centers, Classrooms, Gymnasiums, Meeting Rooms, Conference Rooms, and Multipurpose Rooms

### Modernfold Model

Acousti-Seal 933E

Electrically Operated, Continuously Hinged Partitions

This specification along with product information and model details can be downloaded from [www.modernfold.com](http://www.modernfold.com)  
**SPECIFICATION - SECTION 10 22 26 (10650) OPERABLE PARTITIONS**

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. This Section includes the following:
1. Electrically operated, continuously hinged partitions.
- B. Related Sections include the following:
1. Division 03 Sections for concrete tolerances required.
  2. Division 05 Sections for primary structural support, including pre-punching of support members by structural steel supplier per operable partition supplier's template.
  3. Division 06 Sections for wood framing and supports, and all blocking at head and jambs as required.
  4. Division 09 Sections for wall and ceiling framing at head and jambs.

#### 1.3 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified in writing by the operable partition manufacturer, as qualified to install the manufacturer's partition systems for work similar in material, design, and extent to that indicated for this Project.
- B. Acoustical Performance: Test operable partitions in an independent acoustical laboratory in accordance with ASTM E90 test procedure to attain no less than the STC rating specified. Provide a complete and unedited written test report by the testing laboratory upon request.
- C. Preparation of the opening shall conform to the criteria set forth per ASTM E557 Standard Practice for Architectural Application and Installation of Operable Partitions.

#### 1.4 SUBMITTALS

- A. Product Data: Material descriptions, construction details, finishes, installation details, and operating instructions for each type of operable partition, component, and accessory specified.
- B. Shop Drawings: Show location and extent of operable partitions. Include plans, elevations, sections, details, attachments to other construction, and accessories. Indicate dimensions, weights, conditions at openings, and at storage areas, and required installation, storage, and operating clearances. Indicate location and installation requirements for hardware and track, including

floor tolerances required and direction of travel. Indicate blocking to be provided by others.

- C. Setting Drawings: Show imbedded items and cutouts required in other work, including support beam punching template.
- D. Samples: Color samples demonstrating full range of finishes available by architect. Verification samples will be available in same thickness and material indicated for the work.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Clearly mark packages and panels with numbering systems used on Shop Drawings. Do not use permanent markings on panels.
- B. Protect panels during delivery, storage, and handling to comply with manufacturer's direction and as required to prevent damage.

#### 1.6 WARRANTY

- A. Provide written warranty by manufacturer of operable partitions agreeing to repair or replace any components with manufacturing defects.
- B. Warranty period: Two (2) years.

### PART 2 – PRODUCTS

#### 2.1 MANUFACTURERS, PRODUCTS, AND OPERATION

- A. Manufacturers: Subject to compliance with requirements, provide product by the following:
1. Modernfold, Inc.
- B. Products: Subject to compliance with the requirements, provide the following product:
1. Acousti-Seal #933E electrically operated continuously hinged operable partition.

#### 2.2 OPERATION

- A. Acousti-Seal #933E: Series of continuously hinged flat panels, electrically operated, top supported with operable floor seals.
- B. Partition shall be operated by two push button control stations wired in series and located on opposite sides of the partition. Control stations shall be activated by key switch at stack end of partition. Motor unit shall be reversible, continuous duty, and class A insulated. Motor unit shall have NEMA MG 1 service factor, high starting torque, thermal overload protection, and open/drip proof enclosure. Motor assembly shall have wiring compliant with NFPA 70, 24 volt controls, compliant with UL 508A, and speed of 28

## ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA

feet/minute. The drive unit motor shall be equipped with outboard limit switches to prevent over-extension. A positive chain drive attached to the lead panel shall pull the partition across the opening. Cable, belt, or other friction type drives will not be accepted.

C. Electric motor shall be (select one):

1. 115-volt, 1-phase, 1 HP, 14.0 FLA
2. 208/230-volt, 1-phase, 1 HP, 7.0 FLA
3. 208/230-volt, 3-phase, 1 HP, 4.5 FLA
4. 460-volt, 3-phase, 1 HP, 2.0 FLA
5. 208/230, 3-phase, 1-1/2 HP, 5.2FLA

### 2.3 PANEL CONSTRUCTION

A. Nominal 3-inch (76 mm) thick panels in manufacturer's standard 48-inch (1220 mm) widths. All panel horizontal and vertical framing members fabricated from minimum 18-gage formed steel with overlapped and welded corners for rigidity. Top channel is reinforced to support suspension system components. Frame is designed so that full vertical edges of panels are of formed steel and provide concealed protection of the edges of the panel skin.

B. Panel Skin Options:

1. 1/2-inch (13 mm) NAUF medium density fiberboard, single material or composite layers continuously bonded to panel frame. Acoustical ratings of panels with this construction (select one):
  - a. 28 STC
  - b. 41 STC
  - c. 47 STC
  - d. 50 STC
2. Nominal 21-gage roll-formed steel wrapping around the panel edge. Panel skins shall be lockformed and welded directly to the frame for unitized construction. Acoustical ratings of panels with this construction (select one):
  - a. 28 STC
  - b. 45 STC
  - c. 50 STC
  - d. 52 STC

C. Hinges for Panels, Closure Panels, Pass Doors, and Pocket Doors shall be (select one):

1. Full leaf butt hinges, attached directly to panel frame with welded hinge anchor plates within panel to further support hinge mounting to frame. Lifetime warranty on hinges. Hinges mounted into panel edge or vertical astragal are not acceptable.
2. SOSS Invisible laminated hinge with antifriction segments mounted between each heat treated link. Hinge to be attached directly to panel frame. Welded internal hinge bracket shall support the hinge and allow for adjustment of hinge plates. Concealed hinges mounted into edge or vertical astragal are not acceptable.

D. Panel Trim: No vertical trim required or allowed on edges of panels; minimal groove appearance at panel joints.

E. Panel Weights:

Non-Steel Skin

1. 28 STC - 6 lbs./square foot
2. 41 STC - 6.5 lbs./square foot
3. 47 STC - 7 lbs./square foot
4. 50 STC - 8 lbs./square foot

Steel Skin

1. 28 STC - 6 lbs./square foot
2. 45 STC - 8 lbs./square foot
3. 50 STC - 8 lbs./square foot
4. 52 STC - 11 lbs./square foot

### 2.4 PANEL FINISHES

A. Panel Face finish shall be (select as required):

1. Reinforced vinyl with woven backing weighing not less than 21 ounces per lineal yard.
2. Reinforced heavy duty vinyl with woven backing weighing not less than 30 ounces per lineal yard.
3. Acoustical, non-woven needle punch carpet, with fused fibers to prevent unraveling or fray of material.
4. Wall covering and upholstery fabric with surface treatment to resist stains.
5. Customer's own material (subject to factory approval).
6. Full height 1/4-inch natural cork tackboard with vinyl or fabric covering.
7. Full height steel work surfaces (chalkboard or markerboard).
8. High pressure plastic laminate on MDF board.
9. Wood veneer on MDF board.
10. Uncovered for field finishing.
11. Primed for field finishing.

B. Panel Trim: Exposed panel trim of one consistent color.

### 2.5 SOUND SEALS

A. Vertical Interlocking Sound Seals between panels: Roll-formed astragals, with reversible tongue and groove configuration in each panel edge, for universal panel operation. Rigid plastic astragals or astragals in only one panel edge are not acceptable.

B. Horizontal Top Seals: Continuous contact extruded vinyl bulb shape with pairs of non-contacting vinyl fingers to prevent distortion without the need for mechanically operated parts.

C. Horizontal Bottom Seals:

1. Modernfold IA2 bottom seal. Automatic operable seals providing nominal 2-inch (51 mm) operating clearance with an operating range of +1/2-inch (13 mm) to -1-1/2 inch (38 mm) which automatically drop as panels are positioned, without the need for tools or cranks.
2. Floating Bottom Seal. Floating operable seals provide nominal 3-1/2 inch (89 mm) operating clearance within operating range of +1/2-inch (15 mm) to -3-inch (76 mm) and shall provide continuous floor contact as panels are positioned with no need for tools or cranks.

### 2.6 SUSPENSION SYSTEM

A. #14 Suspension System

1. Suspension Tracks: Minimum 7-gage, 0.18-inch (4.57 mm) roll-formed steel. Static loading of track with brackets at 48-inch (1220 mm) centers shall show no failure of track or brackets at 5,000 pounds (2250 kg) point loading at mid-span. Track shall be supported by adjustable steel hanger brackets connected to structural support by pairs of 1/2-inch (13 mm) diameter threaded rods. Brackets must support the load bearing surface of the track.
  - a. Exposed track soffit: Steel, removable for service

**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA**

and maintenance, attached to track bracket without exposed fasteners, and pre-painted off-white.

- 2. Carriers: All-steel trolleys with steel tired ball bearing wheels.
- B. #30 Suspension System

- 1. Suspension Tracks: Track shall be structural aluminum. Static loading of track with brackets at 48-inch (1220 mm) centers shall show no failure of track or brackets at 5,000 pounds (2250 kg) point loading at mid-span. Track shall be supported by adjustable steel hanger brackets connected to structural support by pairs of 3/8-inch (9.5 mm) diameter threaded rods.
  - a. Exposed track soffit: Track soffit to be integral to track shape and shall be powder-coated off white paint finish. Track must accommodate termination of plenum sound barriers on both sides of track for maximum sound control.
- 2. Carriers: One trolley in alternating panels with 3-inch (76.2 mm) diameter glass reinforced nylon, all steel precision-ground ball-bearing wheels. Steel wheeled or reinforced polymer trolleys on aluminum track not permitted. Trolleys shall attach to panels with 1/2-inch (12.7 mm) diameter pendent bolt mounted to welded steel mounting plate.

**2.7 OPTIONS**

- A. Single Pass Door:
  - 1. Matching pass door same thickness and appearance as panels. ADA compliant pass door to be trimless and equipped with friction latch and flush pulls for panic operation. No threshold will be permitted.
    - a. Automatic door closures.
    - b. Self-Illuminated exit signs.
    - c. Panic hardware.
- B. Work Surfaces:
  - 1. Markerboard: White enamel on steel, bonded to the face of the panel with horizontal trim without exposed fasteners. Trim is not acceptable on vertical edges to provide uninterrupted work surface.
  - 2. Chalkboards: Porcelain enamel on steel, bonded to the face of the panel with horizontal trim without exposed fasteners. Trim is not acceptable on vertical edges to provide uninterrupted work surface.
  - 3. Tackboard: Minimum 1/4-inch (6.35 mm) natural cork, covered with vinyl or fabric, with horizontal trim without exposed fasteners. Trim is not acceptable on vertical edges.
- C. Available Accessories/Options:
  - 1. Pocket Doors: Acousti-Seal Pocket Doors by Modernfold, Inc., with same construction, finish, and appearance as the adjacent panels. Equipped with electric interlock system.
  - 2. Finished end caps.

- 3. Intersecting partition interface.
- 4. Inset window options—glazed or unglazed.
- 5. Resilient Padding.
- 6. Safety nose.
- 7. Safety mat.

**PART 3 -- EXECUTION**

**3.1 INSTALLATION**

- A. General: Comply with ASTM E557, operable partition manufacturer's written installation instructions, Drawings and approved Shop Drawings.
- B. Install operable partitions and accessories after other finishing operations, including painting have been completed.
- C. Match operable partitions by installing panels from marked packages in numbered sequence indicated on Shop Drawings.
- D. Broken, cracked, chipped, deformed or unmatched panels are not acceptable.

**3.2 CLEANING AND PROTECTION**

- A. Clean partition surfaces upon completing installation of operable partitions to remove dust, dirt, adhesives, and other foreign materials according to manufacturer's written instructions.
- B. Provide final protection and maintain conditions in a manner acceptable to the manufacturer and Installer that insure operable partitions are without damage or deterioration at time of Substantial Completion.

**3.3 ADJUSTING**

- A. Adjust operable partitions to operate smoothly, easily, and quietly, free from binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Lubricate hardware and other moving parts.

**3.4 EXAMINATION**

- A. Examine flooring, structural support, and opening, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of operable partitions. Proceed with installation only after unsatisfactory conditions have been corrected.

**3.5 DEMONSTRATION**

- A. Demonstrate proper operation and maintenance procedures to Owner's representative.
- B. Provide Operation and Maintenance Manual to Owner's representative.

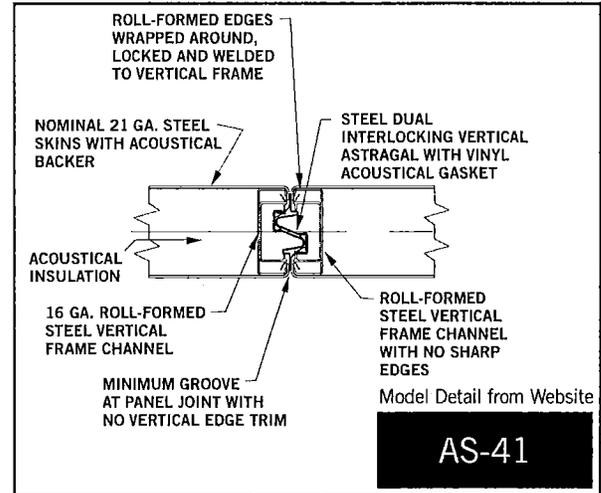
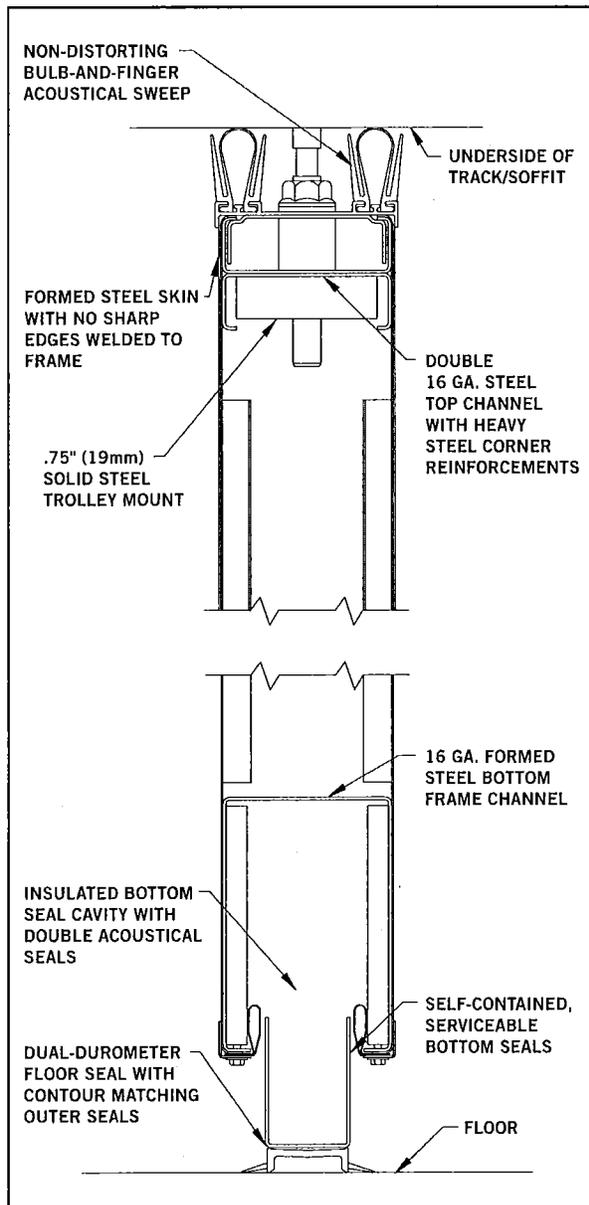
Acousti-Seal 933E	Non-Steel Skin Max Height				Welded Steel Skin Max Height			
	28 STC	41 STC	47 STC	50 STC	28 STC	45 STC	50 STC	52 STC
#14 Bracket Mounted Track	28'-4"	28'-4"	28'-4"	26'-4"	26'-4"	26'-4"	26'-4"	18'-4"
#30 Bracket Mounted Track	12'-4"	12'-4"	12'-4"	12'-4"	12'-4"	12'-4"	12'-4"	12'-4"

**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA**  
**STEEL SKIN PANEL CONSTRUCTION**

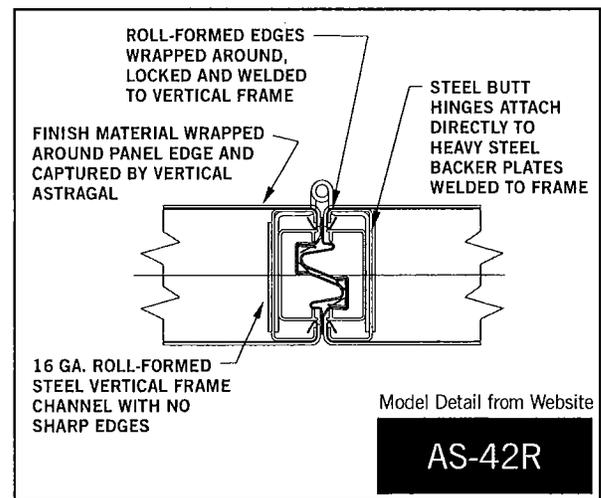
Acousti-Seal 933E  
Panel Section Frame Details

Acousti-Seal 933E  
Standard Panel Joint

PANEL DETAILS ARE NOT TO SCALE



Heavy steel hinges are mounted directly to the center of the vertical frame channel, not simply on the outside edge of the panel. Steel plates welded to the back of the channel prevent buckling or bending and provide the strongest hinged connection.

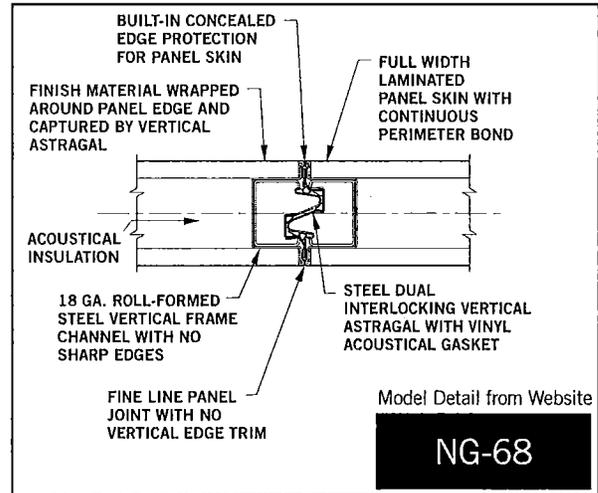
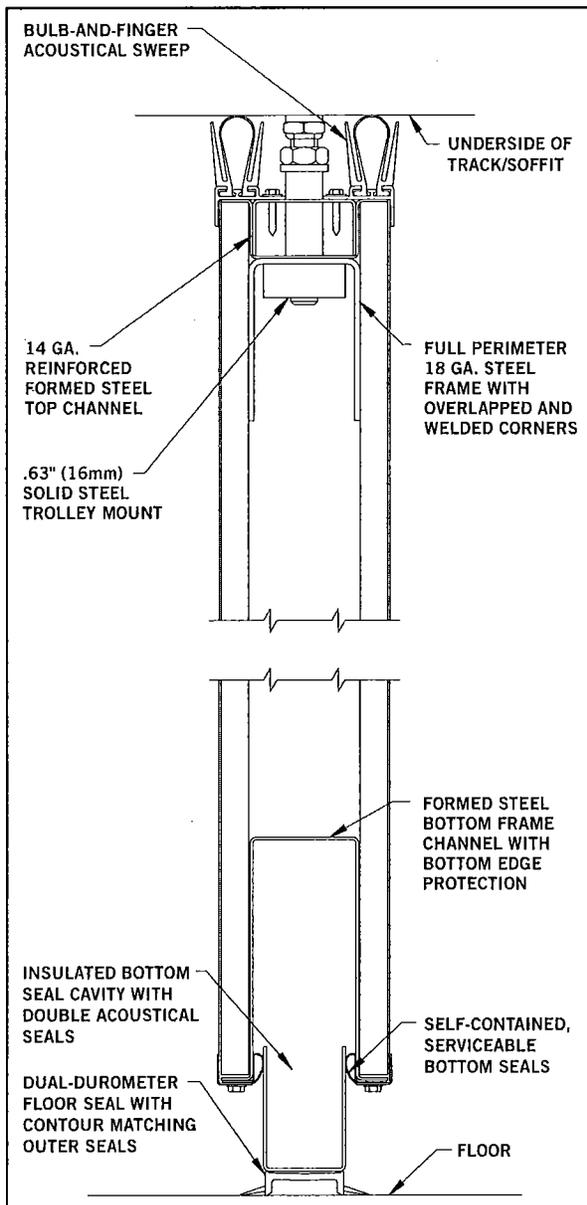


**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA**  
**NON-STEEL SKIN PANEL CONSTRUCTION**

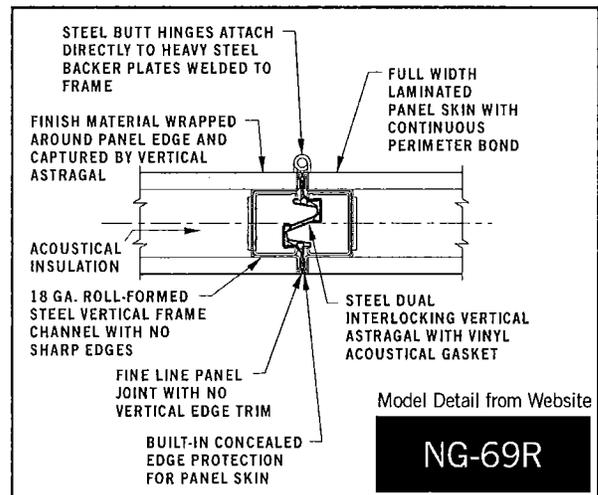
Acousti-Seal 933E  
 Panel Section Frame Details

Acousti-Seal 933E  
 Standard Panel Joint

PANEL DETAILS ARE NOT TO SCALE

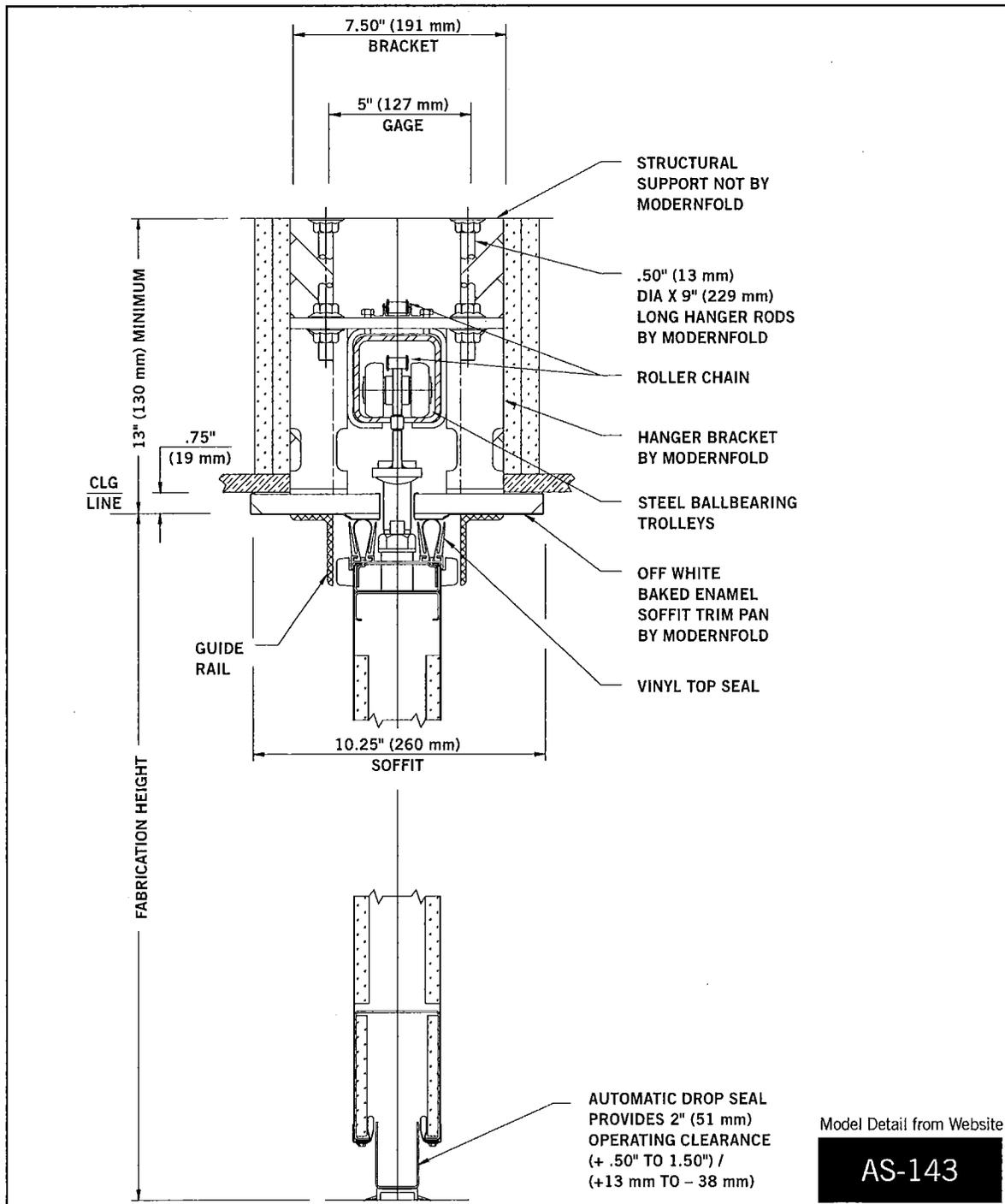


Heavy steel hinges are mounted directly to the center of the vertical frame channel, not simply on the outside edge of the panel. Steel plates welded to the back of the channel prevent buckling or bending and provide the strongest hinge connection.



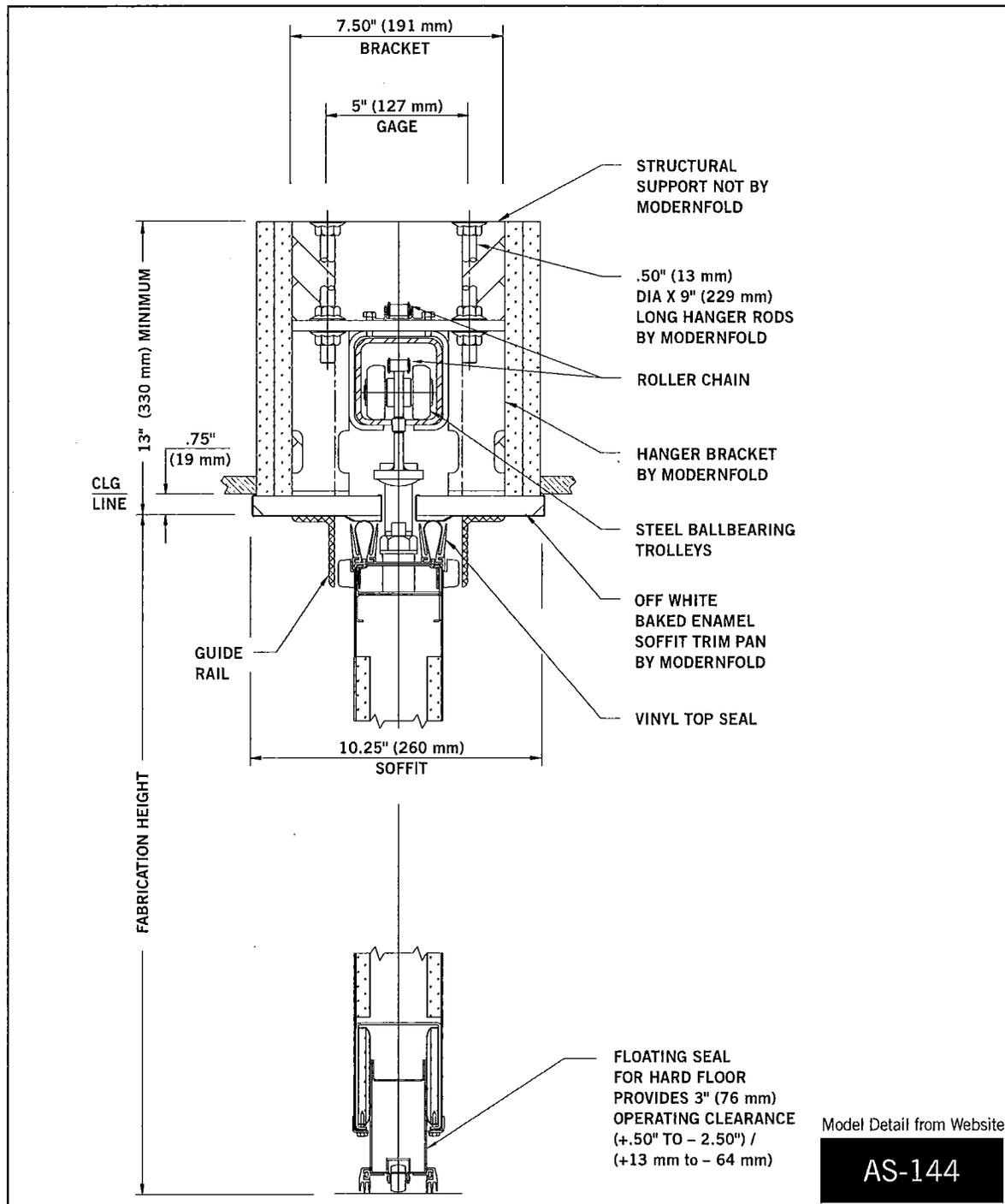
**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA**  
**SUSPENSION SYSTEM OPTIONS**

#14 Track System Bracket Mounted with Automatic Drop Seal



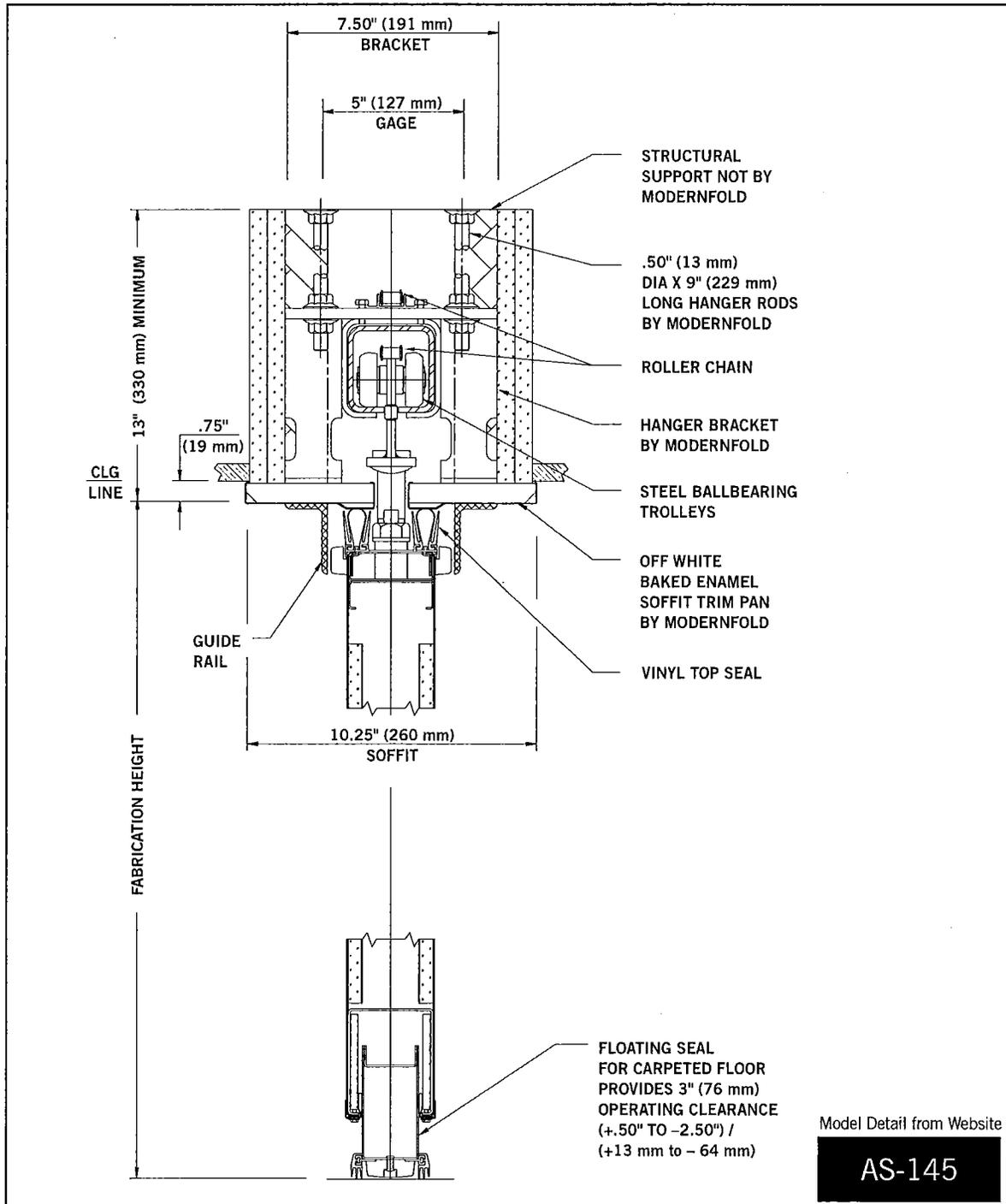
**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA**  
**SUSPENSION SYSTEM OPTIONS**

#14 Track System Bracket Mounted with Floating Seal for Hard Floor



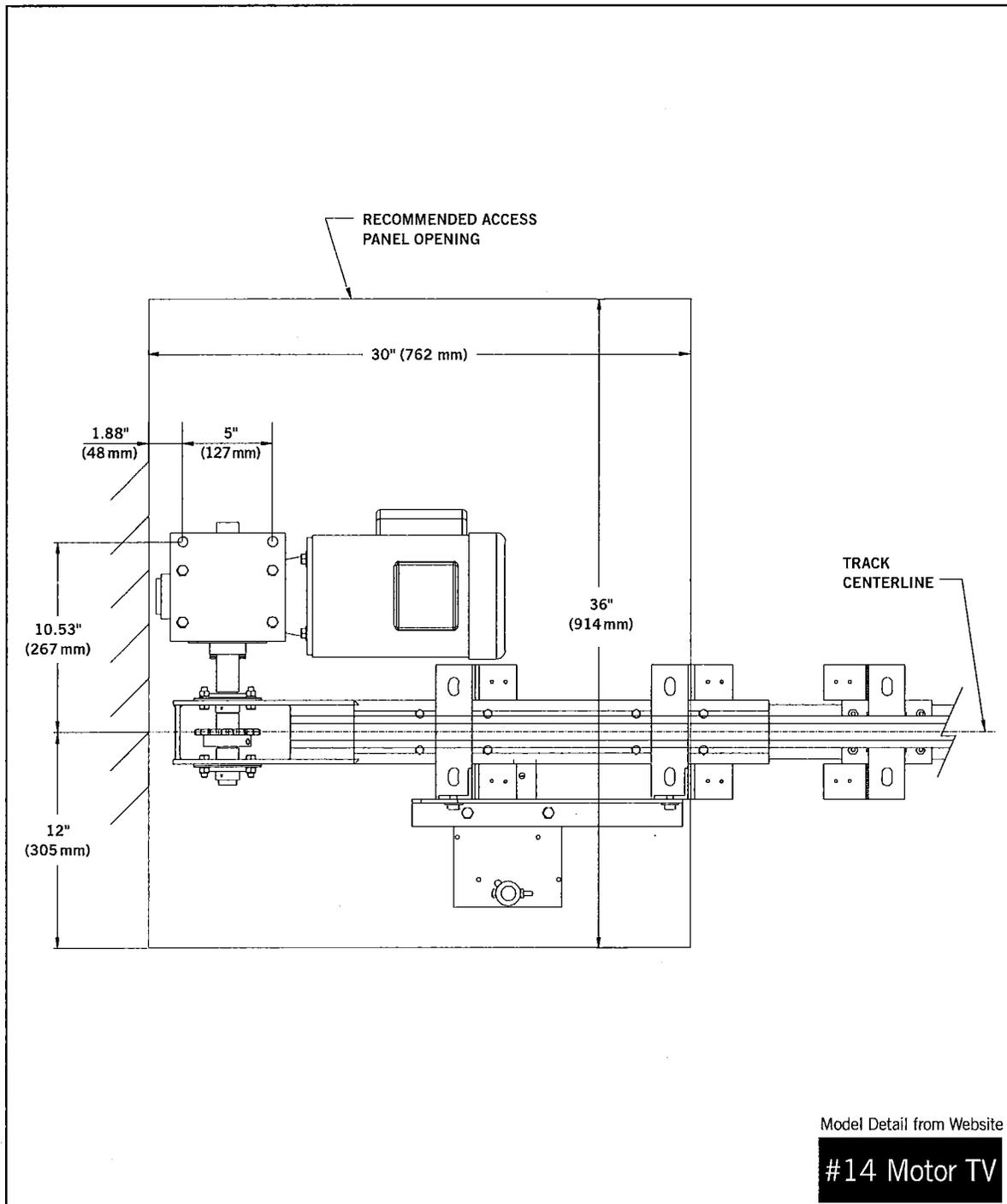
**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA**  
**SUSPENSION SYSTEM OPTIONS**

#14 Track System Bracket Mounted with Floating Seal for Carpet Floor



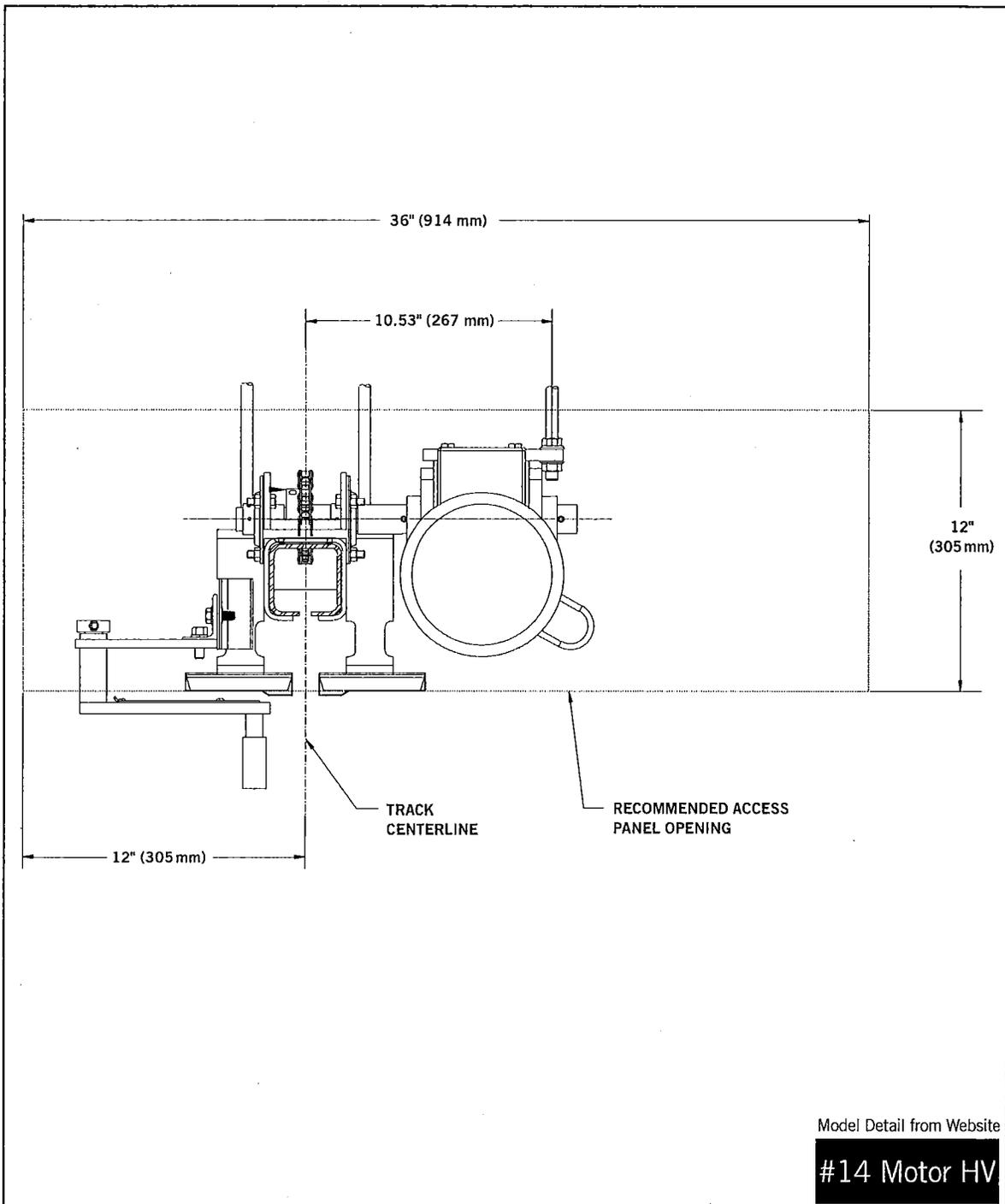
## ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA SUSPENSION SYSTEM OPTIONS

#14 Track System Bracket Mounted Top View



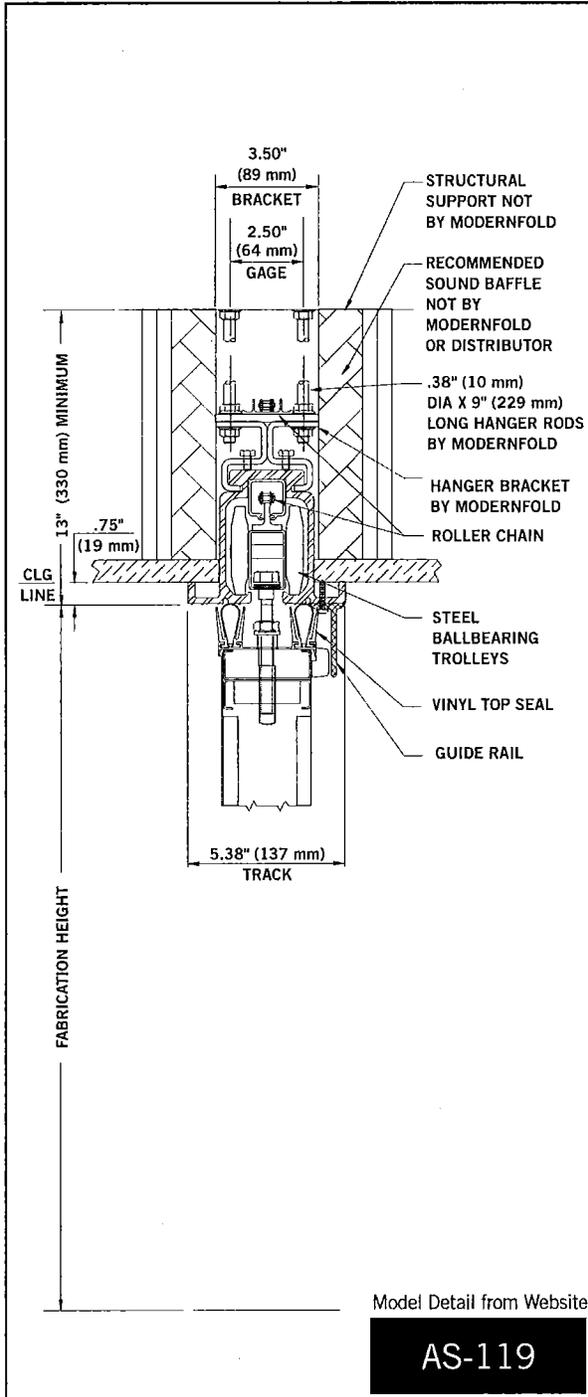
## ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA SUSPENSION SYSTEM OPTIONS

#14 Track System Bracket Mounted Horizontal View

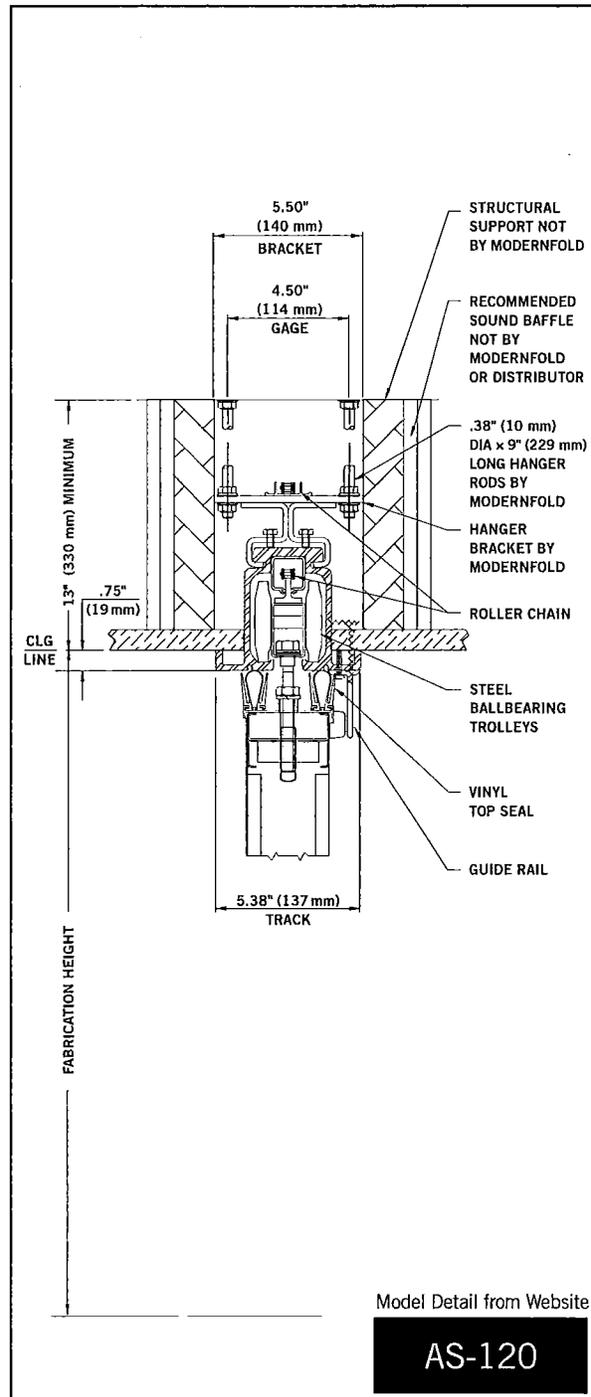


**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA**  
**SUSPENSION SYSTEM OPTIONS**

#30 Track System Standard Spacing

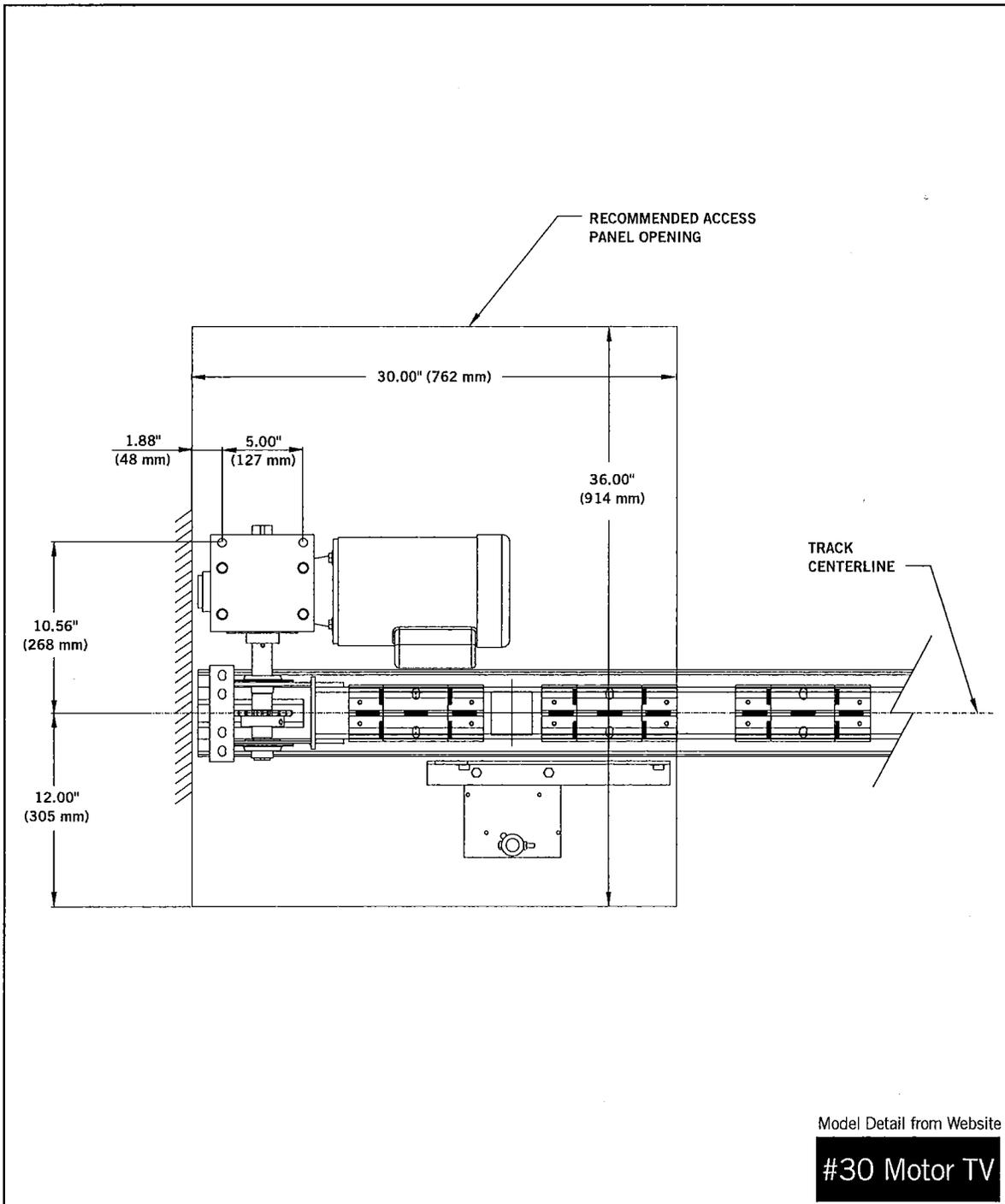


#30 Track System Optional Wider Spacing



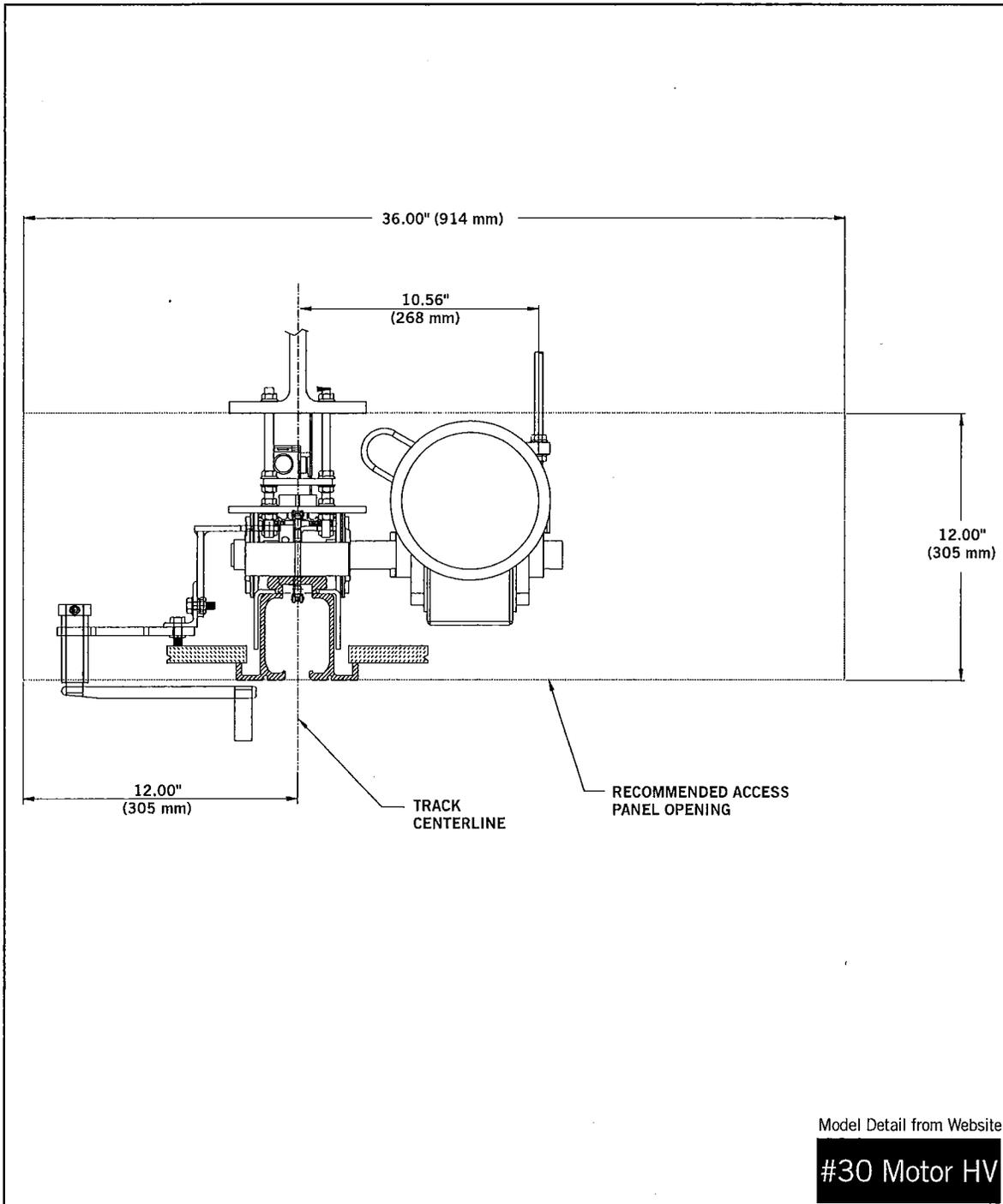
**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA  
SUSPENSION SYSTEM OPTIONS**

#30 Track System Motor Top View

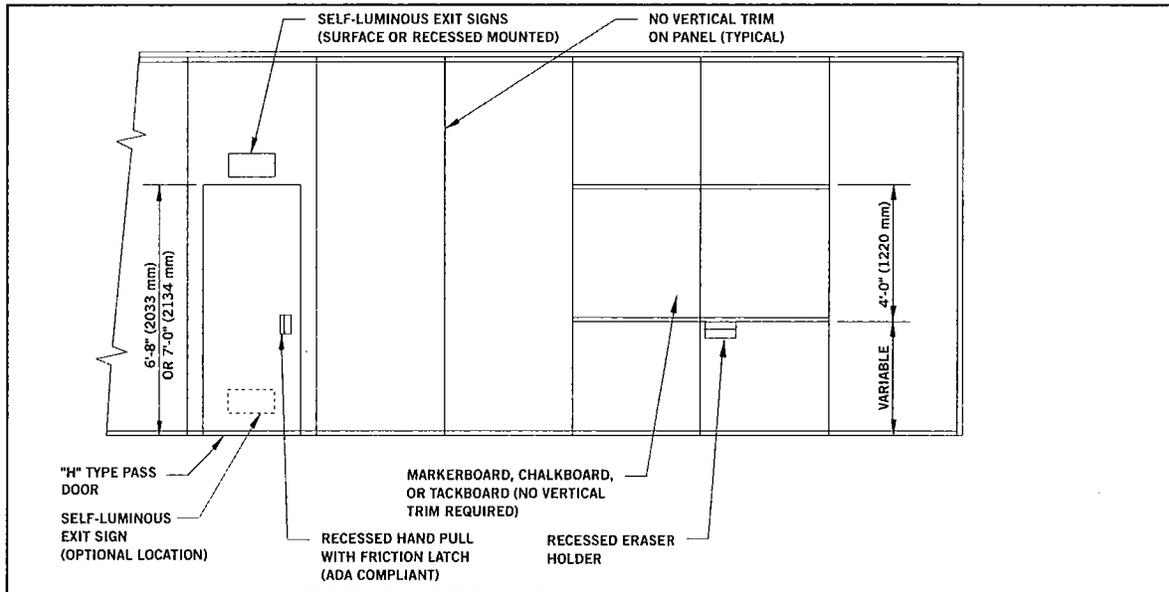


## ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA SUSPENSION SYSTEM OPTIONS

#30 Track System Motor Horizontal View

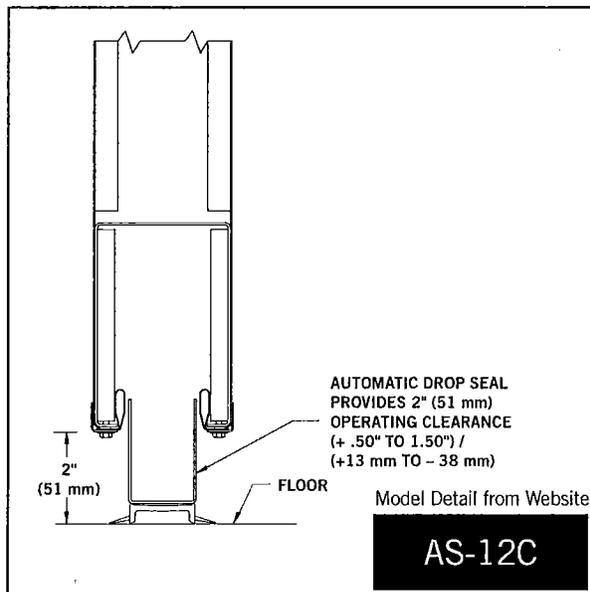


**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA  
 PANEL, WORK SURFACE, AND PASS DOOR OPTIONS**

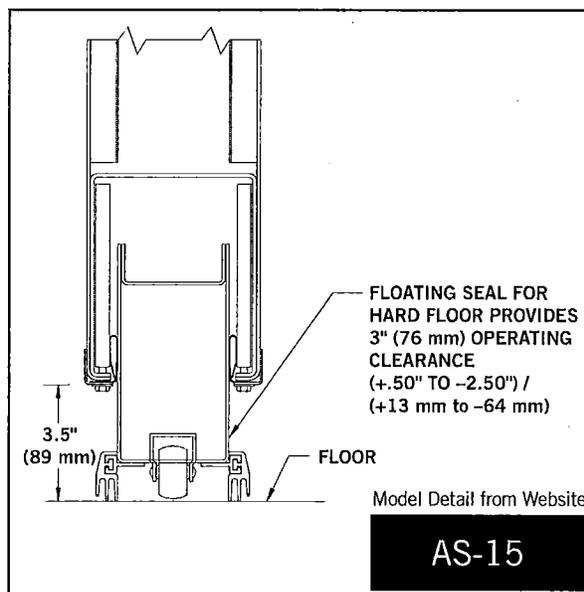


**FLOOR SEAL OPTIONS**

2-inch Automatic Seal

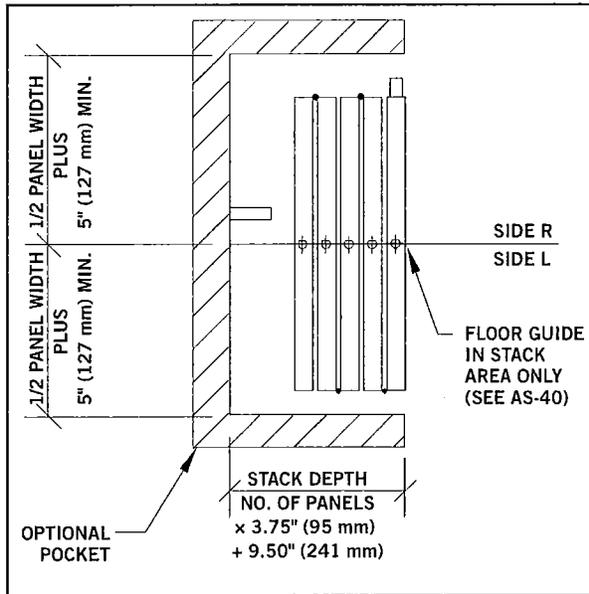


Floating Seal

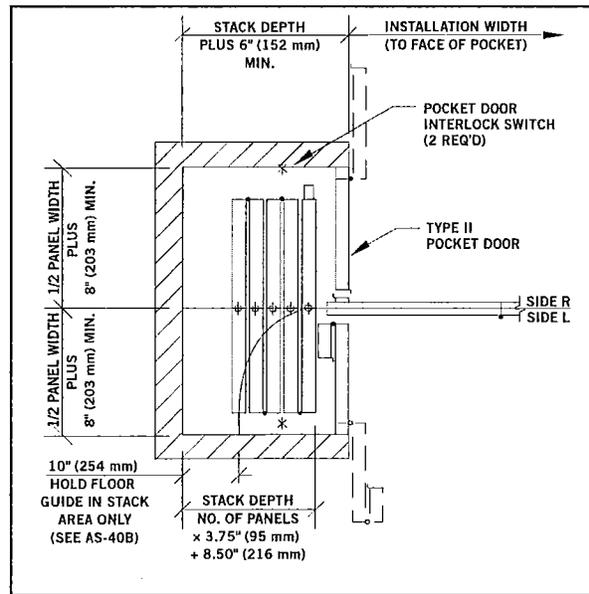


**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA  
 POCKET ENCLOSURE AND STACKING OPTIONS**

933E Standard Stack

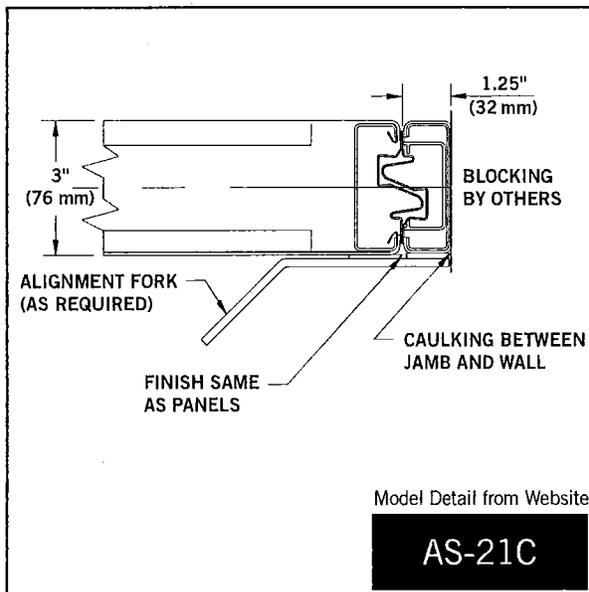


933E Remote Stack

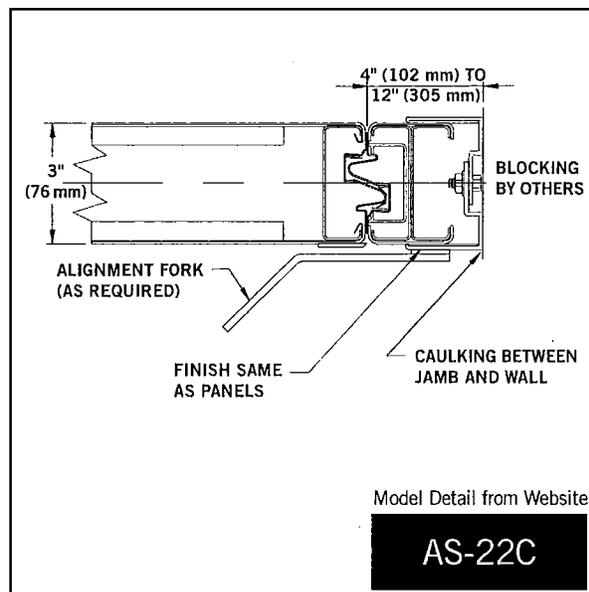


**PANEL CROSS SECTIONS**

Nominal Fixed Jamb

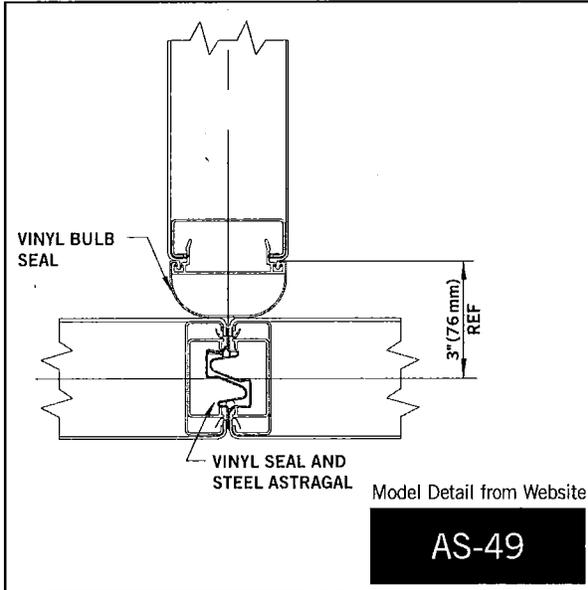


Variable Fixed Jamb

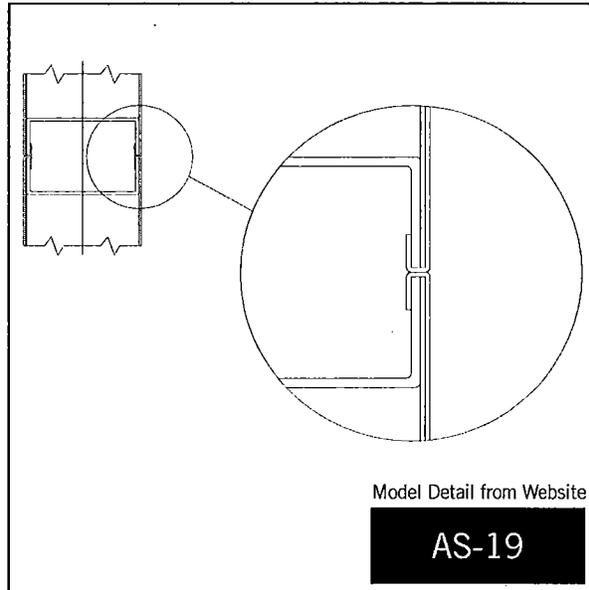


**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA  
 PANEL CROSS SECTIONS**

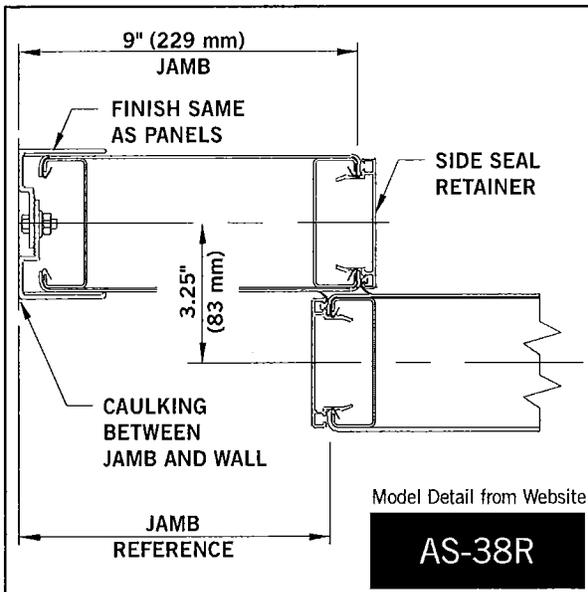
Bulb Seal and Intersection



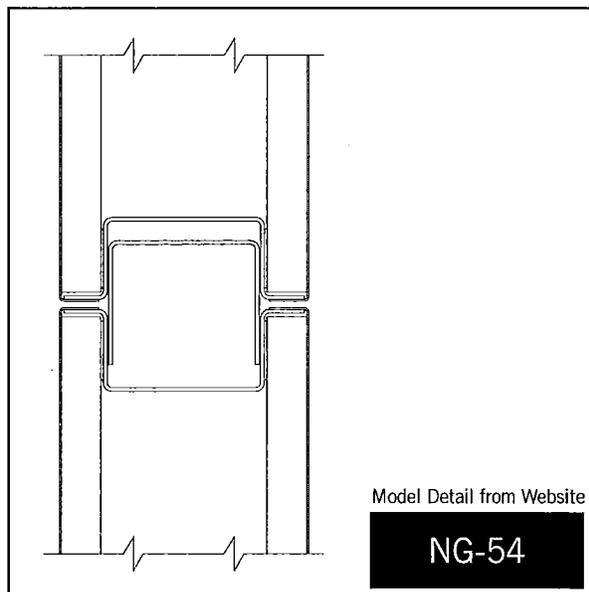
Panel Splice Steel Skin



Side Jamb Steel Skin

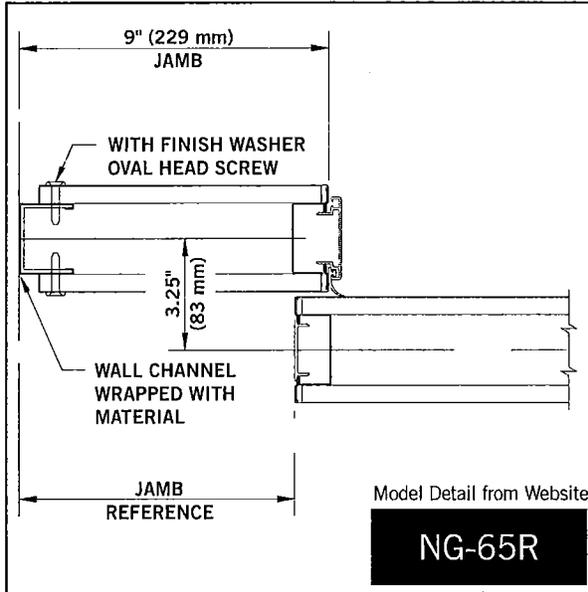


Panel Splice Non-Steel Skin

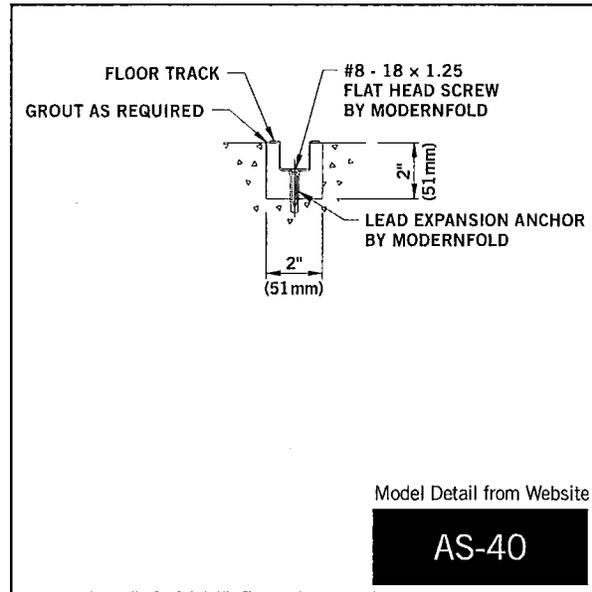


**ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA  
 PANEL CROSS SECTIONS**

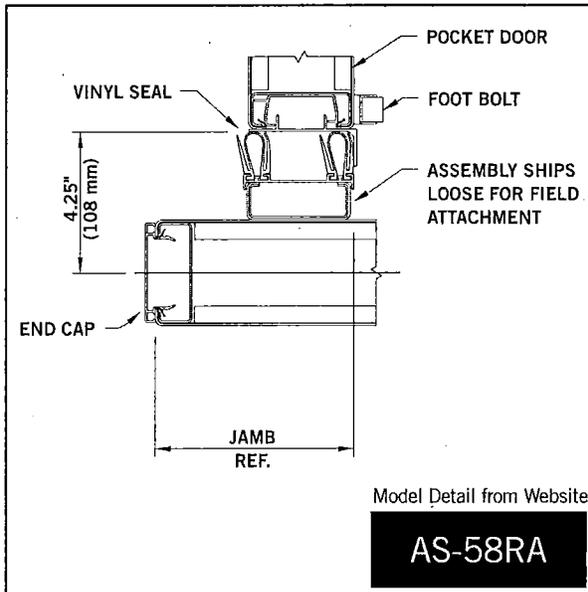
Side Jamb Non-Steel Skin



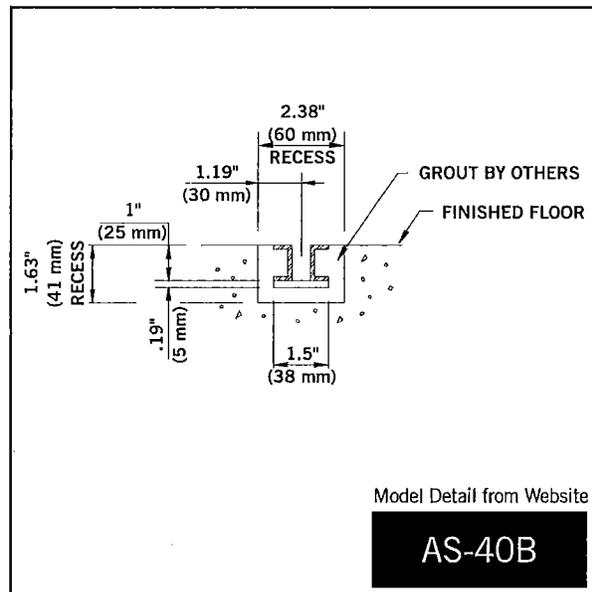
Standard Floor Guide



Side Seal Remote Stack

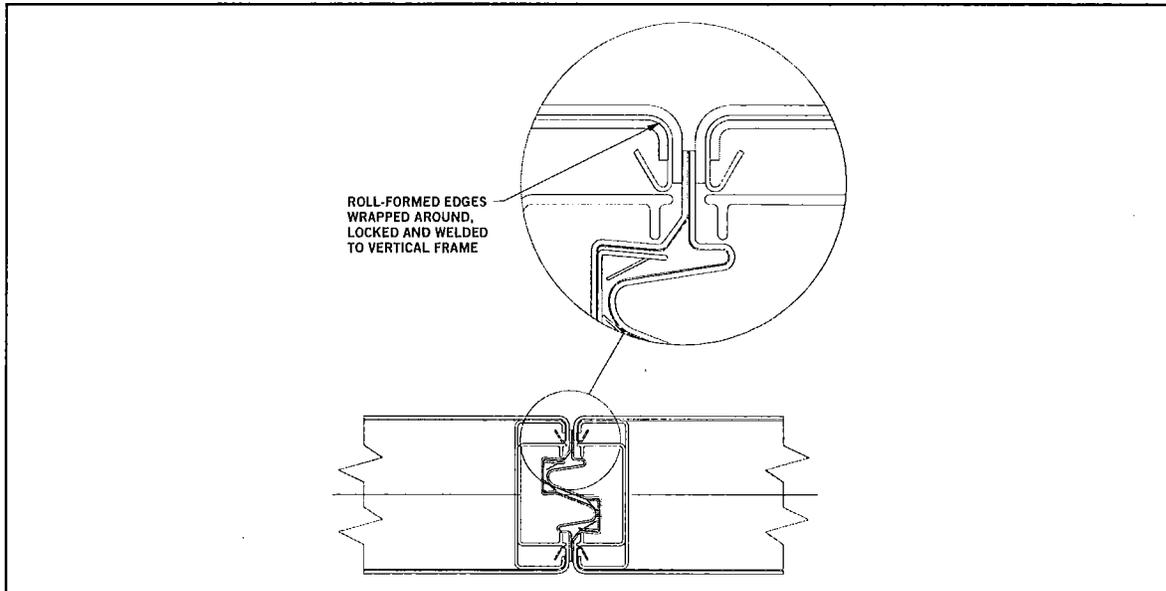


Remote Stack Floor Guide

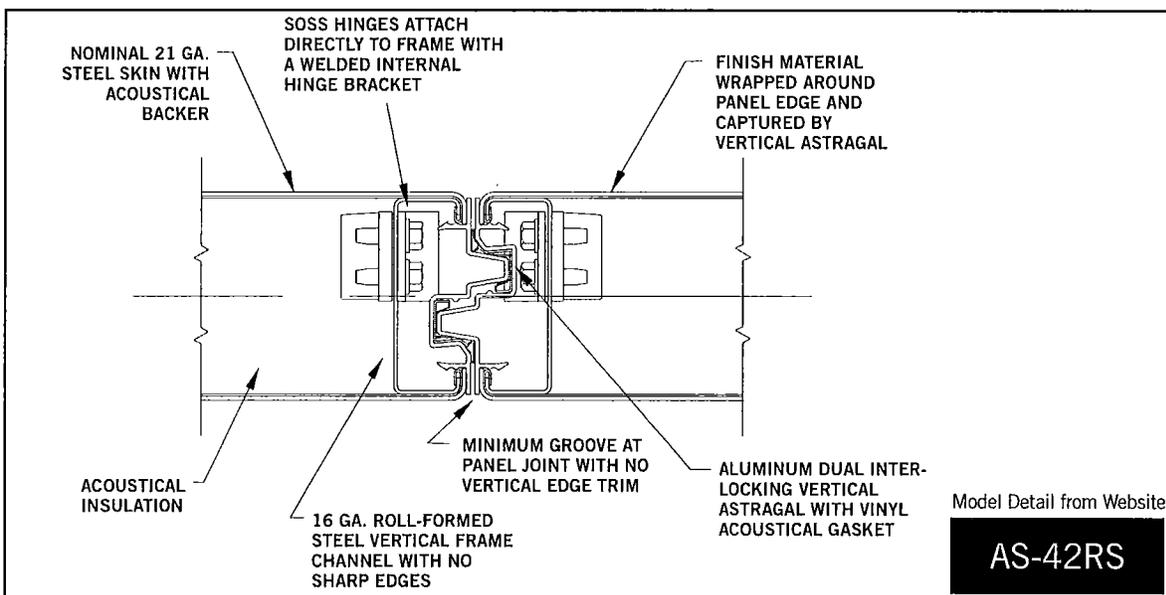


## ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA PANEL CROSS SECTIONS

### Steel Panel Construction



### SOSS Panel Joint (Steel Skin Construction Only)



**Acusti-Seal® 933E Technical Data**  
10 22 26 (10650) Operable Partitions

**MODERNFOLD™**  
A DORMA Group Company

## **ACOUSTI-SEAL® 900 SERIES TECHNICAL DATA**

**Acusti-Seal® 933E Technical Data**  
10 22 26 (10650) Operable Partitions

**MODERNFOLD™**  
A DORMA Group Company

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